

Appl. No. 10/716,133
Atty. Docket No. CM2542CQ
Amdt. dated January 18, 2006
Reply to Office Action of October 18, 2005
Customer No. 27752

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Withdrawn) A process for transferring from a surface of a transfer tool a sticky material having a peel force of at least 0.1N/cm onto an article, series of articles or web of articles, with reduced stringing, whereby the contact angle of the sticky material and the surface of the tool is more than 60° at the process temperature.
2. (Withdrawn) A process for transferring from a surface of a transfer tool a sticky material having a peel force of at least 0.1N/cm onto an article, series of articles, or a web of articles, with reduced stringing, wherein the sticky material has:
 - a) a viscosity η of less than 2500mPa.s at process temperature; and
 - b) an elastic loss modulus G'' that increases from 10 to 10,000Pa in less than 60°C temperature range.
3. (Withdrawn) The process of claim 2 whereby the sticky material has
 - a) an elastic modulus G' at 20°C of less than 100,000 Pa;
 - b) a loss tangent $\tan \delta$ (G''/G') at 20°C of more than 0.5; and
 - c) a surface energy σ at 20°C of less than 35mJ/m².
4. (Withdrawn) The process of claim 1, wherein the sticky material has:
 - a) a viscosity η of less than 2500mPa.s at process temperature; and
 - b) an elastic loss modulus G'' that increases from 10 to 10,000Pa in less than 60°C temperature range.

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5. (Withdrawn) The process of claim 4 wherein the transfer tool has a surface comprising a coating, wherein said surface has a contact angle with the sticky material of more than 60° at the process temperature, and wherein the coating comprises a polyfluorinated polymer.
6. (Withdrawn) The process of claim 5, wherein the transfer tool is a printing roll and the sticky material is applied onto said roll, wherein the process is a continuous process whereby the material is applied continuously on said roll and applied continuously on a web of articles, and wherein the process has a speed of at least 20m/ min.
7. (Withdrawn) The process of claim 5 wherein the material is applied in an on-dot amount of at least 10g/m^2 .
8. (Withdrawn) The process of claim 6, wherein the process is a gravure printing process, the roll having cavities to receive the sticky material.
9. (Withdrawn) The process of claim 6 wherein the transfer of the material from the roll onto the article, series of articles or web of articles is done by placing the article, series of articles or web of articles on a second roll and bringing this in contact with the roll with the sticky material with a force/ length of at least 700N/m.
10. (Withdrawn) The process of claim 9 wherein the web of articles is stretchable and rotates around the second roll such that the exit angle is between 30° and 70° .
11. (Withdrawn) The process of claim 5 wherein the sticky material comprises an adhesive.

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12. (Withdrawn) The process of claim 5 wherein the article is an absorbent article or release strip thereof.
13. (Withdrawn) The process of claim 5 wherein the temperature of the transfer tool is from 110°C to 175°C.
14. (Withdrawn) The process of claim 13 wherein the temperature of the transfer tool is higher than the melting point temperature of the articles, series of articles or web of articles.
15. (Currently Amended) An absorbent article, comprising a sticky material which has a peel force of at least 0.1N/cm at an average basis weight of 20 g/cm² and
 - a) a viscosity η of less than 2500mPa.s at process temperature; and
 - b) an elastic loss modulus G'' , which increases from 10 to 10,000Pa in less than 60°C temperature range as measured by the method ASTM D4440-95, using flat plates oscillating at 1 Hz, wherein the sticky material is disposed on a garment facing surface of the absorbent article.
16. (Currently Amended) The absorbent article of claim 15 wherein the sticky material has:
 - c) an elastic modulus G' at 20°C of less than 100,000 Pa, ;
 - d) a loss tangent $\tan \delta$ (G''/G') at 20°C of more than 0.5 as measured by the method ASTM D4440-95, using flat plates oscillating at 1 Hz; and
 - e) a surface energy σ at 20°C of less than 35 mJ/m².

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17. (Currently Amended) An absorbent article comprising a sticky material which has a peel force of at least 0.1N/cm at an average basis weight of 20 g/cm² and a surface energy σ at 20°C of less than 25 mJ/m².
18. (Original) The absorbent article of claim 15 wherein the sticky material comprises an adhesive and a pigment.
19. (Original) The absorbent article of claim 17 wherein the sticky material comprises an adhesive and a pigment.
20. (Withdrawn) A gravure printing roll having a surface coating, wherein the surface coating comprises a polyfluorinated polymer.
21. (New) The absorbent article of claim 15, wherein the absorbent article further comprises a backsheet, and wherein the sticky material is disposed on the backsheet.
22. (New) The absorbent article of claim 15, wherein the absorbent article further comprises a backsheet and a release strip attached to the backsheet, wherein the sticky material is disposed on the release strip.